

ABSTRACT

A color CRT comprising a panel having a substantially flat outer surface and an inner surface having a certain curvature, and a mask having a plurality of electron beam passing holes, wherein an effective surface diagonal size of the panel is not greater than about 534mm, wherein a central portion transmittance rate is within the range of about 45-75%, wherein the panel satisfies the condition $1.1 \leq (R_{xs}/R_{yc}) \leq 4.6$, wherein R_{xs} is defined as an inner curvature radius along an edge of a longer side of the panel, and wherein R_{yc} is defined as an inner curvature radius along a line in the center of the panel parallel to the shorter side of the panel.